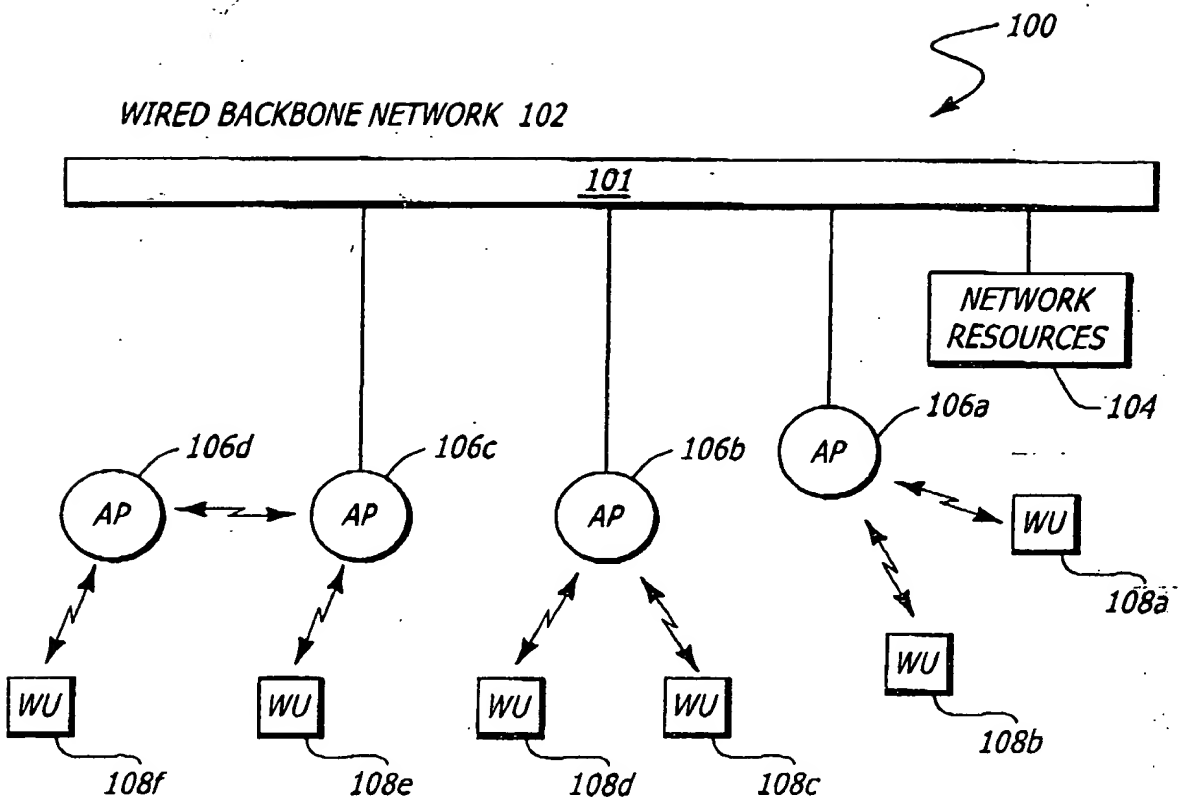

100
WIRED BACKBONE NETWORK 102
101
NETWORK RESOURCES
104
106a
AP
106b
AP
106c
AP
106d
AP
WU
108a
WU
108b
WU
108c
WU
108d
WU
108e
WU
108f

FIG. 1

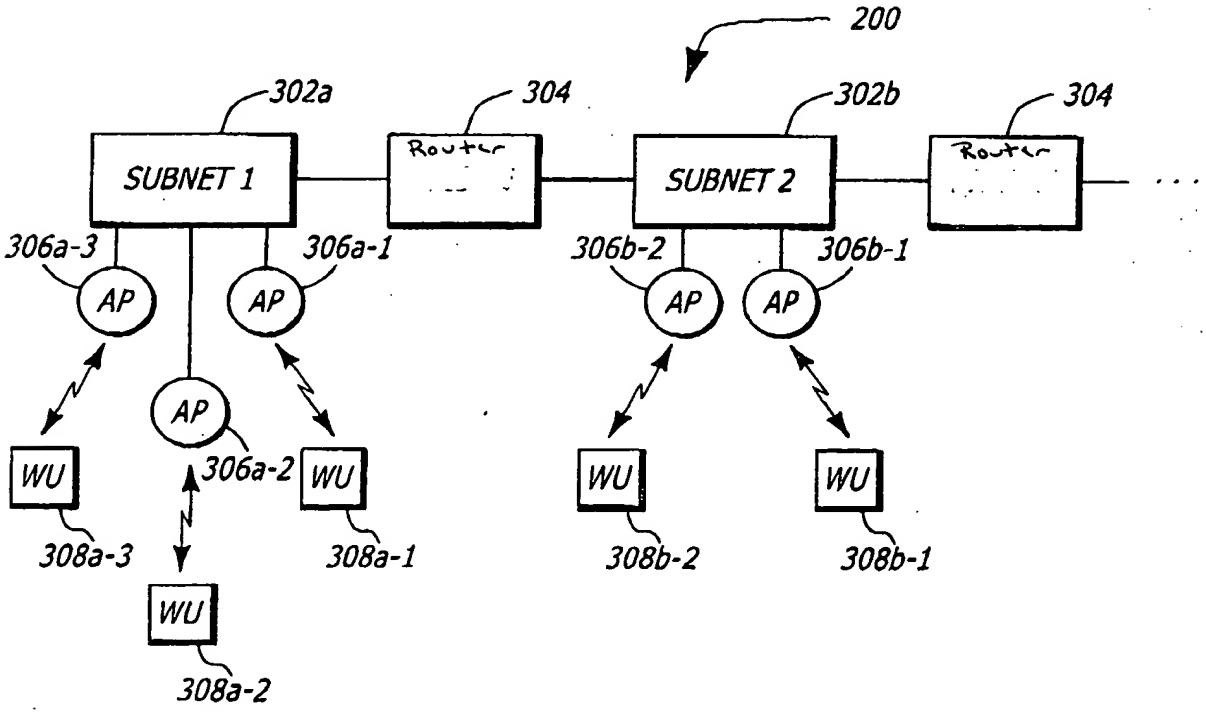

200
302a
304
302b
304
SUBNET 1
Router
SUBNET 2
Router
306a-3
306a-1
306b-2
306b-1
AP
AP
AP
AP
AP
306a-2
WU
WU
WU
WU
WU
308a-3
308a-1
308b-2
308b-1
308a-2

FIG. 3

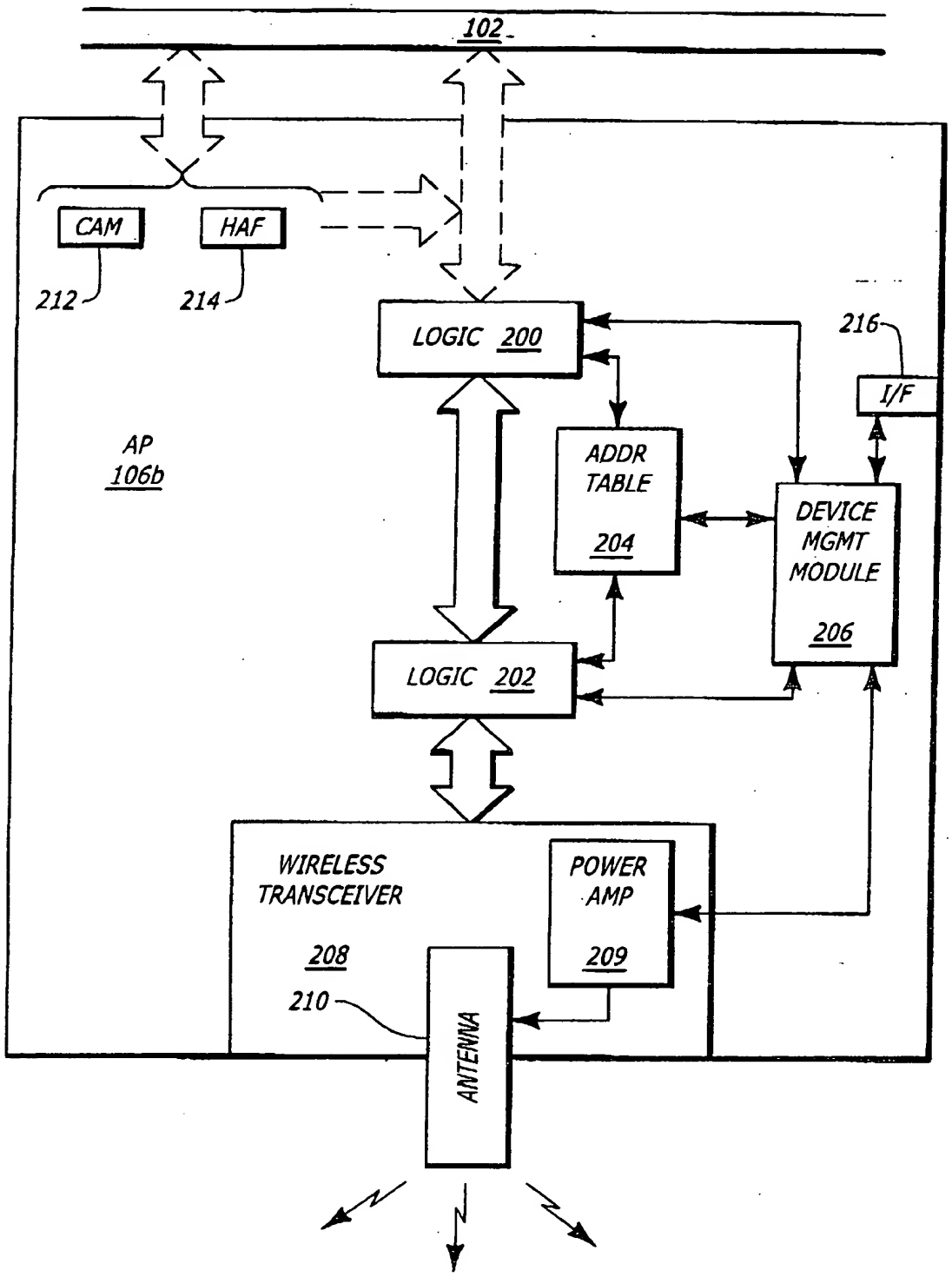
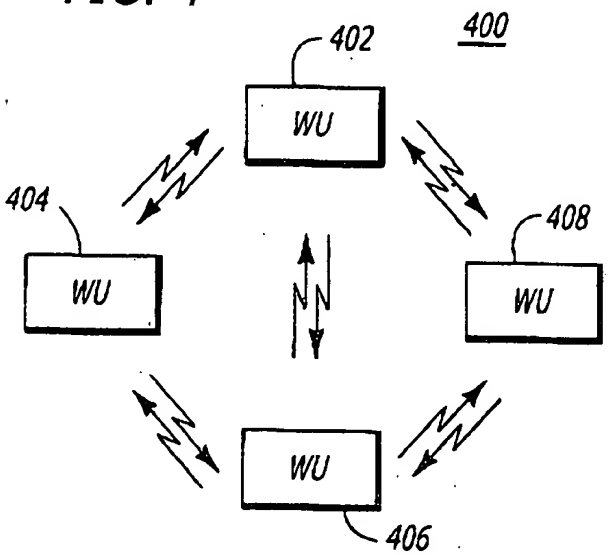

102
CAM
HAF
212
214
LOGIC 200
216
I/F
AP
106b
ADDR
TABLE
204
DEVICE
MGMT
MODULE
206
LOGIC 202
WIRELESS
TRANSCEIVER
208
POWER
AMP
209
210
ANTENNA

FIG. 2

FIG. 4



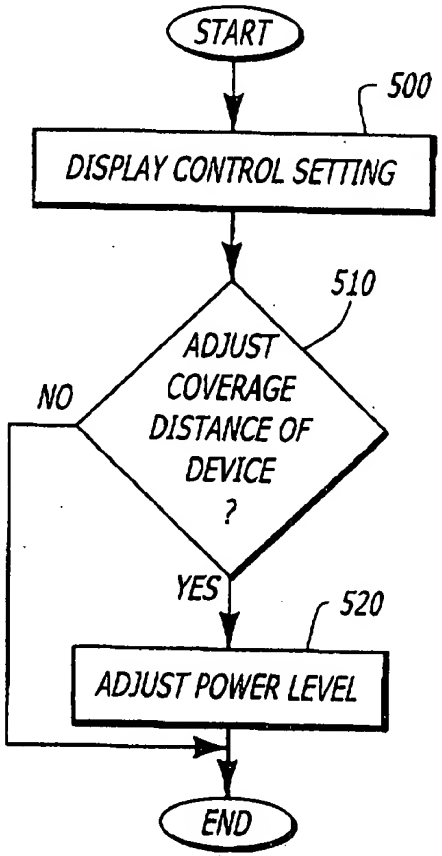
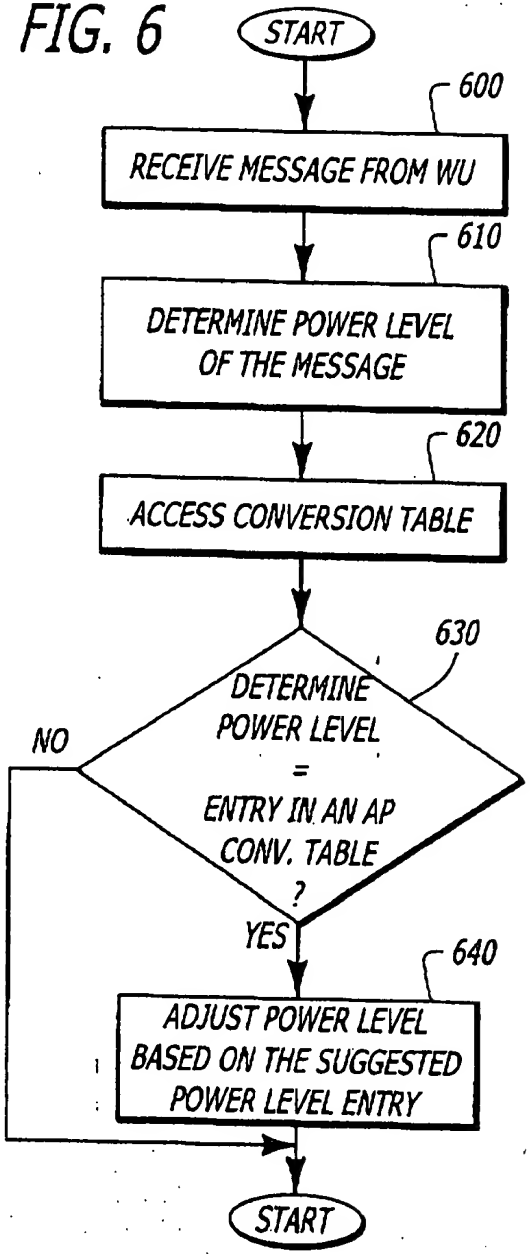


FIG. 5

FIG. 6



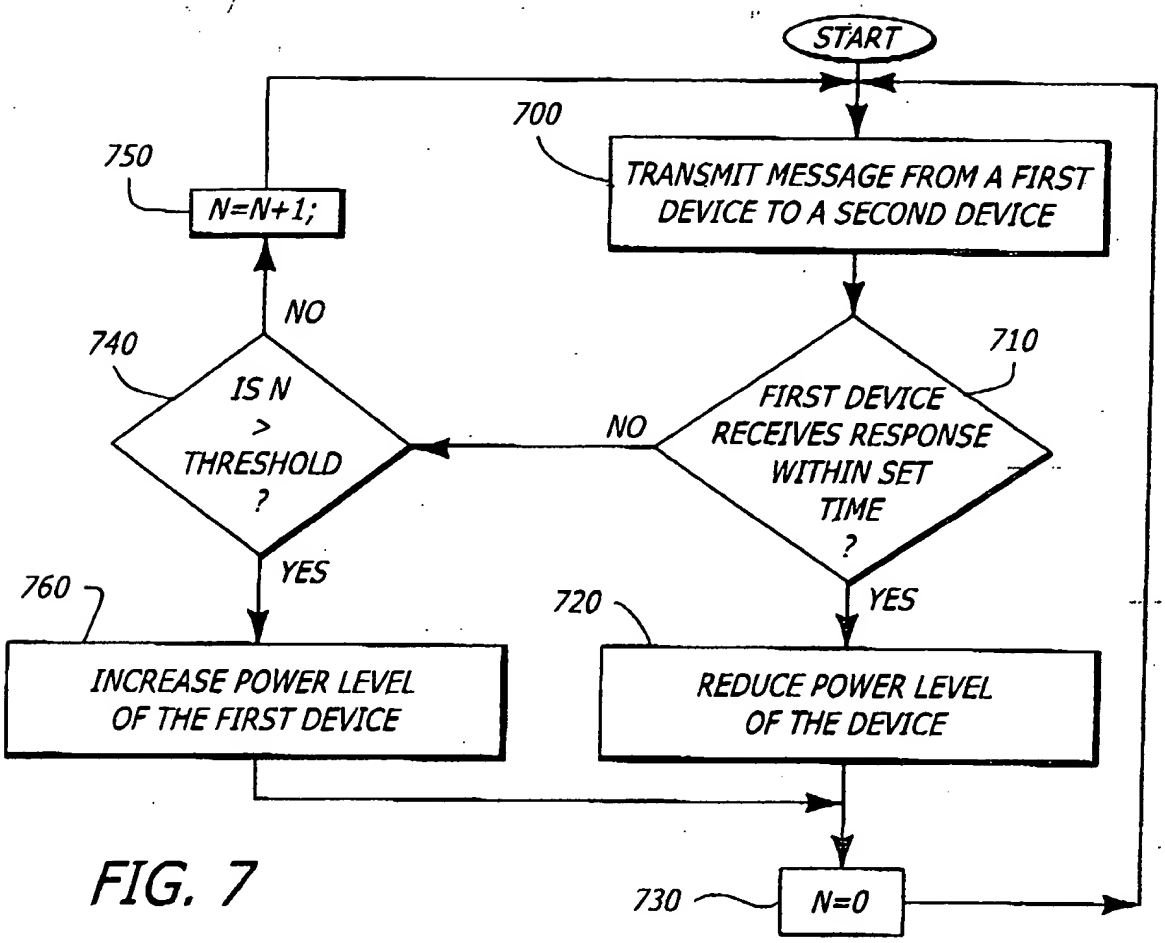

START
700
TRANSMIT MESSAGE FROM A FIRST DEVICE TO A SECOND DEVICE
710
FIRST DEVICE RECEIVES RESPONSE WITHIN SET TIME ?
NO
YES
720
REDUCE POWER LEVEL OF THE DEVICE
730
N=0
740
IS N > THRESHOLD ?
NO
YES
750
N=N+1;
760
INCREASE POWER LEVEL OF THE FIRST DEVICE

FIG. 7

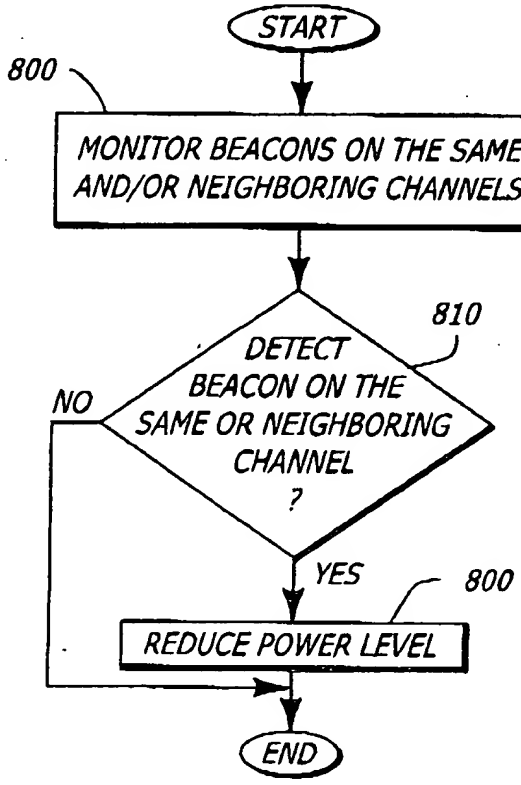

START
800
MONITOR BEACONS ON THE SAME AND/OR NEIGHBORING CHANNELS
810
DETECT BEACON ON THE SAME OR NEIGHBORING CHANNEL ?
NO
YES
800
REDUCE POWER LEVEL
END

FIG. 8